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GEOGRAPHICAL ABSTRACTS

PHYSICAL GEOGRAPHY

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GEOGRAPHICAL ABSTRACTS: Physical Geography

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GEOGRAPHICAL ABSTRACTS: PHYSICAL GEOGRAPHY

Annual Index 1990

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Using the index

Subject Index

A single string of keywords is provided for each abstract, each element of which has a separate entry in the index, and appears with the other elements of the string followed by any regional terms from the abstract. The number **immediately following** is the reference number for the abstract.
For example, the string:

playa brine, salinity, hydrochemical evolution, regional groundwater, Australia; 00657

will appear as:

playa brine
salinity, hydrochemical evolution, regional groundwater, Australia; 00657

salinity
hydrochemical evolution, regional groundwater, playa brine, Australia; 00657

hydrochemical evolution
regional groundwater, playa brine, salinity, Australia; 00657

regional groundwater
playa brine, salinity, hydrochemical evolution, Australia; 00657

Where a keyword occurs more than once the entries are blocked and sorted in alphabetical order by the second keyword. For example:

accuracy
aerial photograph, Landsat RBU, Antarctica, Seymour Island; 06258. cadastre, GIS, USA, Florida; 08377. CASA UNO, tracking, network ...etc.

Where a general term is being used in a search, it will probably be more efficient to look up a more specific term in the first instance and then use the more general term as a qualifying term.
For example:

(1) **coral reef** and then (2) **Quaternary** rather than
(1) **Quaternary** and then (2) **coral reef**

All the index terms are selected by the editors and so a reasonable degree of consistency can be expected. However, exceptions do occur and it is worth searching all alternative or similar terms.
For example:

carbon-14 see also **radiocarbon**

In some cases abbreviations have been used as index terms. This has been limited to internationally accepted abbreviations.
For example:

GIS - geographic information systems

Please note that English spelling variants have been used throughout (mechani**s**ation; labo**u**r;) and that wherever possible the terms are indexed in the singular - except in cases where to do so would change the meaning of the term.

Author Index

Each author is indexed separately from co-authors, each entry being followed by one or more abstract reference numbers. Please remember to check for listings under various possible combinations of initials.
For example:

Meyer, W. 00530, 08132
Meyer, W. S. 06877, 08891
may or may not refer to the same individual.

In cases where there are more than six authors, we list the first one cited followed by '& others', so only the first author will appear in the index.
Although in general only the last name is indexed as the surname, in certain cases each separate element of a surname will have an entry. These are:

where surnames contain prefixes; e.g. La, De

where Latin surnames contain both parental names; e.g. M. D. Garcia Lopez

where Chinese and some Indo-Chinese names are used; e.g. Hyung Chun Wu

If in doubt, check all possibilities.

Regional Index

Although regional index terms are integrated within the subject index to give context to the keyword string, there is also a separate regional index. This operates on a hierarchical system. Under each country (or broader regional term where appropriate) the terms are progressively indented to the right, to indicate increasing specificity, and the string is only complete when an abstract reference number appears.
For example:

USA, Montana, Flathead National Forest

would appear thus:

USA
Montana
Flathead National Forest; 04264

Another area/town name in the same State (e.g. Ruby Mountains) would appear at the same level of indentation:

USA
Montana
Flathead National Forest; 04264
Ruby Mountains; 07351

Note:
All abstracts are indexed as specifically as possible so that, for example, the abstract numbers referenced under "Africa" will NOT contain ALL references to Afrrican studies, only those which cannot be narrowed down to a geogrphically smaller area, and so users will need to check individual country listings. Also, within a country listing the items entered under a town or regional name will NOT appear in the listing of numbers for the general entry for its home country.

Journal Listing

This is a simple alphabetical listing of over 800 periodicals cited in **Geographical Abstracts: Physical Geography** during 1990. A full listing of journals scanned by Elsevier/Geo Abstracts is available from the publisher.

GEOGRAPHICAL ABSTRACTS: PHYSICAL GEOGRAPHY

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Catalina Eddy
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English County atlases
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English-language literature
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Gilbert type fan delta
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Gilbert's Sediment Wave Model
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Gilbert-type fan delta
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01736. fertiliser, nitrogen gas, atmospheric nitrogen, groundwater recharge, air entrainment, denitrification, limestone aquifer, UK, England, Lincolnshire; 10118. fluoride, septic tank contamination, geochemistry, hydrogeology, groundwater, groundwater flow, groundwater recharge, bedrock aquifer, perched aquifer, USA, Arizona, Allen Flat; 01720. geochemistry, groundwater resource, saltwater, freshwater, transition zone, salinity, USA, North Carolina, Atlantic Coastal Plain; Maryland, Atlantic Coastal Plain; USA, New Jersey, Atlantic Coastal Plain; USA, Virginia, Atlantic Coastal Plain; 08047. geophysical log, basal Pennsylvanian sandstone, porosity, permeability, aquifer, performance test, USA, Illinois; 03779. gravel pit, chloride tracer, hydrochemical impact, 04829. groundwater flow model, water budget, aquifer depletion, salinity, sodium hazard, hydrogeology, hydrogeochemistry, aquifer development, USA, Kansas, Dakota aquifer; 02771. groundwater flow, solute transport, contaminant transport, saturated porous media, contaminant concentration, nitrate contamination, Australia, South Australia; 01692. groundwater recharge, aluminum, leaching, nitrate, sulphate, sampling, sandy soil, arable land, coniferous forest, solute transport, 06980. groundwater recharge, fluorine, loess, Israel; 06966. groundwater resource, salt water intrusion, salt water-fresh water interface, fresh water lens, coral atoll, seismic refraction, hydrostratigraphy, Pacific, Micronesia, Nukuoro Atoll; 10119. groundwater resources, aquifer, hydrogeology, pollution, Europe; 05865. groundwater sampling program design, sampling frequency, temporal variability, 00643. groundwater treatment, mineral sand mining, iron, sulphate, Australia, New South Wales, Tomago Aquifer; 12120. halogenated hydrocarbon, sampling bias, groundwater monitoring, organic contaminant, 08029. heavy metals, igneous crystalline bedrock, Sweden; 08028. herbicide, fungicide, insecticide, pesticide, USA, Arkansas; 08036. humid tropics, denitrification, deforestation, nitrate, Ivory Coast; 10141. hydrochemical variability, hydraulic conductivity, groundwater recharge, spring discharge, static water level, pumping test, ion analysis, groundwater residence time, groundwater circulation, USA, Kentucky; 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Holocene deposit
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Landsat TM, laser profile, USA, Utah, Great Salt Lake; 06353.

Holocene optimum
Mikulinskoe interglacial optimum, Pliocene optimum, latitudinal variation, temperature, climate, Northern Hemisphere; 12305. Mikulinsky Interglacial, soil moisture, runoff, global warming, summer moisture content, Northern Hemisphere; 09875.

Holocene pedogenesis
beige sands, palaeoclimatic interpretation, aeolian sand, fersiallitic soil, Pleniglacial, Late glacial, Morocco, Atlantic Coast; 05625.

Holocene podzol
blown-sand, Quaternary, Weichselian(Late), dune, glaciofluvial sand, till, Germany(West), Schleswig-Holstein, Rendsburg Forest, Sorge Valley; 03500.

Holocene sediment
bottom sediment, palynology, diatom, Boreal period, Baltic Sea, Bornholm Basin; 03311. reducing condition, pyrite, glauconite, sediment column, Quaternary, mineralogy, petrology, Baltic Sea, Kiel Bay, Geltinger Bay; Eckernforder Bay; 00083.

Holocene shoreline
raised beach, radiocarbon dating, submergence, emergence, algal crust, earthquake, block movement, Greece, Rhodes; 04552.

Holocene soil
North Mountain basalt, basalt, pre-Wisconsinan saprolite, saprolite, till, granite, paleosol, Canada, Nova Scotia, Grand Manan Island; 06825.

Holocene strata
Holocene transgression, liquefaction, tectonic deformation, palaeoearthquake event, China, Beijing, Tianjin, Tangshan; 03429.

Holocene stratigraphy
Quaternary, barrier-lagoon system, coastline, inlet process, sea-level rise, beach, backbarrier environment, USA, Maine; 02278.

Holocene tectonic warping
Everson marine limit, crustal strain, Quaternary faulting, seismicity, glacio-isostatic response, proglacial lake shoreline, upwarping, USA, Washington, Puget Sound; 02465.

Holocene transgression
Jin Dynasty, Quaternary, coastal plain, spit, shoreline evolution, China, Hangzhou Bay; Changjiang Delta; 02284. liquefaction, tectonic deformation, palaeoearthquake event, Holocene strata, China, Beijing, Tianjin, Tangshan; 03429. mud, Quaternary, barrier platform, lagoon, infilling, USA, Virginia, Delmarva Peninsula; 02261. thermokarst lake, Tuk Phase, Quaternary(Late), seismic stratigraphy, inner shelf, Quaternary sediment, regional unconformity, Tingmiark Sand, glaciofluvial, Canada, Tuktoyaktuk Peninsula; Beaufort Sea; 09832.

Holocene vegetation
charcoal, prehistoric site, vegetation change, tropical savannah, Sudanian flora, desiccation, savannah, Africa, Sahara; Niger; Egypt; 04615.

Holocene wind direction
hemispheric model, monsoon, Late Pleistocene, India; 00832.

Holocene(Early)
basin sediment, radiocarbon age, pluvial interval, Egypt, Dakhleh Oasis; 02435. glacial advance, radiocarbon dating, Holocene, Aranuian, moraine, New Zealand, Southern Alps, Macaulay River Valley; 02442. lacustrine stratigraphy, radiocarbon date, Lake Barlow-Ojibway, proglacial lake, Quaternary, Lake Agassiz, meltwater effect, palynology, palaeoclimate change, palaeohydrology, Wisconsinan(Late), Canada, Great Lakes; 03494. pecan, Carya illinoensis, floodplain sediment, accelerator dating, pollen peak, USA, Iowa, Mississippi River, Muscatine; 07768. pumice layer, periglacial slope processes, frost shattering, snowline, timber-line, vertical change, slope stability, Last Glacial, Quaternary, Japan, Hokkaido, Hidaka Range; Yubari Mountains; 05566. water level change, Ancylus, Litorina, pollen, diatom analysis, magnetic mineralogy, sediment, Sweden, Adran Lake; 10908.

Holocene(Late)
coastal evolution, morphology, sediment, dating, beach ridge, oyster shell, longshore drift, raised beach, dune, aeolian sedimentation, Denmark, Jutland, Hanstholm-Hjardemaal Region; 05674. coral rich conglomerate, radiometric dating, petrological analysis, atoll, sea level, vertical crustal movement, Seychelles, Joseph Atoll; Farquhar Atoll; 10909. erosion, alluvial sedimentation, slope erosion, soil formation, vegetation, New Zealand, South Westland; Ruahine Range, Waipawa Basin, Bonar Creek; 02378. incision, pediment, wet phase, terrace accumulation, climatic change, arid environment, Morocco, Pre-Saharan Depression; 03395. Quaternary, geology, ice free area, shelf, ice sheet, Kap Kovenhavn Formation, Lodin Elv Formation, weathering intensity, Kaffehavn, Langelandselv deposit, ice free area, ice retreat, sea level, Greenland; 09872. raised marine terrace, raised beach, stormridge, Antarctica, South Shetland Islands, King George Island; 05680. sea level, age, high-energy rocky coast, beach ridge, chenier plain, tidal delta, mangrove peat, Australia, New South Wales; 05675. sea level, submergence, barrier migration, palaeoecology, geomorphology, Ireland; 05665. sedimentation, infilling history, coral reef, isostatic adjustment, sea level rise, Papua New Guinea, Central Province, Mirigeda; 10884. toposequence, vermiculite, weathering, lateral translocation, soil, USA, Wyoming, Wind River Mountains, Stroud Basin; 05747.

Holocene(Late) fluctuation
fiord glacier system, tidewater glacier, radiocarbon age, moraine complex, Little Ice Age, USA, Alaska, Icy Bay; 07818.

Holocene(Middle)
dry period, Eldridge mastodont site, mastodant, Mammut americanum, vegetation, climatic history, peat deposit, spruce parkland, bottomland hardwood forest, climatic warming, plant migration, pine pollen, USA, Michigan, Montcalm County, Crystal Township; 07770.

Holocene(Upper)
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hologrammetry
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holographic imaging
settling particle, particle dynamics, flux measurement, Pacific, (North); 04516.

holographic method
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Holsteinian
Pleistocene, stratigraphy, Channel Tunnel, raised beach, Herzeele Formation, France, Sangatte; 07784. sheet 60°N-00°, British Geological Survey, Quaternary geology, geophysical data, Shetland Platform Sediment, Flags Formation, Viking Bank Formation, Sperus Formation, Cape Shore Formation, Ferder Formation, Mariner Formation, Shackleton Formation, borehole, Cromerian, North Sea, Halibut Bank; 01431.
homeostasis
climate, chemical composition, Gaia theory, 05916.
homoclinal ridge
morphological map, quantitative drainage basin analysis, South Africa, Transvaal, Mooi River; 00254.
homogeneity
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honeycomb texture
Carboniferous, chert, Dinantian, submicroscopic fabric, Germany(West), Harz Mts, Vossenke valley; Rhenish Slate Mts, Wuppertal; 09630.
Honna Formation
Coniacian, sandstone, gravel, petroleum reservoir, Cretaceous, fan-delta conglomerate, Canada, British Columbia, Queen Charlotte Islands; 06496.
Honter,J.
Atlas, map, Syria; 06229.
Hopf-bifurcation
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Hora Beds
pore fluid, Tertiary, diagenesis, Miocene, pyroclastic rock, limestone, marlstone, Pythagorion Formation, Greece, Samos Island, Mytilinii Basin; 01299.
Horaguchi lava
Oshi pyroclastic flow, ignimbrite plateau, Kagusa lava, Sessyo lava, summit crater, magma chamber, eruptive history, volcano, tephra, loess soil, Matsuozawa volcano, Japan, Kusatsu Shirane Volcano; 02394.
horizon shading
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horizontal control
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convection, radar reflectivity, cloud, 08201.
horizontal cross-section
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horizontal displacement
stereoscopic pair, SPOT, fault, Asia, Himalayas; 07354.
horizontal drain
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horizontal drainage
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horizontal flow
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horizontal groove
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horizontal hydraulic conductivity
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horizontal infiltration
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horizontal motion
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horizontal movement
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horizontal network
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horizontal pressure gradient
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horizontal propagation
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horizontal resolution
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horizontal strain data
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horizontal stress
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horizontal striping
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horizontal transport simulation
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horizontal variability
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Horn clause
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hornblende
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hornfels
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horst
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horst block
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Horton analysis
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Horton Overland Flow
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Hortonian overland flow
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hot air method
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hot spring
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hot water extraction
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Hotchkiss,J.
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Hotham Group
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Hough transformation
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Hoxnian interglacial
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Norwich brickearth, lodgement till, outwash, superficial deposit, Pleistocene, alluvium, river gravel, Ipswichian interglacial, solifluction deposit, UK, England, Norwich; 07772.
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Hubble telescope
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Hudson volcano
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hue
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Huggins bands
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Hulcross Formation
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humid tropical ecosystem
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humid tropical environment
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humus content
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Hunton Group
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International Institute for Aerospace Survey and Earth Sciences
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karst geomorphology
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karst groundwater
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karst hydrology
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karst landform
Clearwater Cave, Cave of the Winds, Lubang Batau Padeng, Blackrock Cave, expedition, Sarawak, Mulu Caves; 06636.
karst mapping
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karst marginal plain
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karst morphology
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karst network
Speos de la Fee, Goldthwait Sea, fluvial terrace, Quaternary geology, geomorphology, Lake Matapedia, glacial lake, Canada, Quebec, Mitis River; 00398.
karst ordinance
carbonate rock, solution-prone rock, zoning, USA, New Jersey, Clinton Township; 04592.
karst pattern
solution valley, sinkhole, doline, surficial landform, USA; 04565.
karst region
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karst relief
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karst site
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karst spring
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karst stream
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karst window
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karstic aquifer
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karstic aquifer system
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karstic bauxite
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karstic cavity
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karstic conduit
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karstic form
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karstic lake
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karstic phenomenon
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karstic structure
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karstified limestone aquifer
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KARTOFLEX M
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Kasikara
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katabaic flow
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Katberg Formation
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Katipiri Formation
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Kattendijk Formation
Coralline Crag, Red Crag facies, Cainozoic, microfacies, Pliocene, Pleistocene, Miocene, North Sea; 03264.
Kauhajoki Till Formation
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kauri
tree ring chronology, dendroclimatology, climate response function, New Zealand; 06054.
Kawakawa Tephra
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Kazantsev surface
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Kazumasa model
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Kee Scarp Formation
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keel topography
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Kellaways Sand Formation
concretion, clastic dyke, dyke, Oxford Clay, Jurassic, compaction, UK, England, Cambridgeshire, Peterborough; 05357.
Kelowna multiple element extractant
EDTA, DTPA, extraction, potassium, sodium, acid soil, calcareous soil, 01586.
kelp forest
wind wave, wave force, storm damage, coastline, sediment transport, engineers, USA, California, San Diego County; 02276.
kelp-rafting
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Kelvin-Helmholtz instability
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Kelvin-Helmnoltz instability
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Kern
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Kern DSP-1
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Kern Raster Image Superimposition System
data revision, photogrammetric workstation, 02032.
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kerosene heater
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kerosene method
porosity, non-destructive measurement, soil clod volume, hexane displacement, 01571.
kerosene vapour
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ketone
carboxylic acid, alcohol, phytosterol, terpene, organic matter, molecular marker analysis, biogenic emission, source reconciliation, tracer, hydrocarbon, 02980. carboxylic acid, ester, alcohol, polynuclear aromatic hydrocarbon, organic tracer, aerosol, rain, hydrocarbon, USA, California, Pasadena; Los Angeles; 01954.
kettle hole
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kettle lake
stagnating ice, sedimentology, stratigraphy, Quaternary(Late), valley glacier, ice-marginal sedimentation, braided stream, diamicton, subglacial till, Canada, Alberta, Jasper; 04621.
Kettle Point Formation
black shale, calcite, diagenesis, oil shale, concretion, Devonian, 11815.
kettle-hole lake
seepage, digital stimulation, surface water-groundwater interaction, USA; 00570.
Keuper soil
Psilonoten soil, Lias sandstone, litter layer, bioturbation, slickenside, long term measurement, forest soil exposure, creep, biotic activity, splash, stemflow, Luxembourg; 03443.
keyword index
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Kibara belt
stratigraphic succession, sedimentation condition, Proterozoic, Rwanda,

Kibara; 06499.
Kidnappers Anticline
Holocene, marine terrace, tectonic uplift, progradational plain, sand dune, palaeoshoreline height, radiocarbon date, tilt, New Zealand, Waimarama Coastal Plain; 07680.
kimberlite
Quaternary sediment, gravel, sand, diamond, 09645.
Kimmeridge Clay
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Kimmeridgian
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kinematic analysis
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kinematic extension
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kinematic flow approximation
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kinematic GPS
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kinematic hardening rule
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kinematic model
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kinematic overland flow model
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kinematic positioning
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kinematic structure
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kinematic surveying
GPS, algorithm, 06155. GPS, algorithm, 06156.
kinematic technique
GPS, surveying, 02013. surveying, GPS, 02000.
kinematic viscosity
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kinematic viscosity coefficient
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kinematic wave
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kinematic wave equation
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kinematics of collapse
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kinetic constraint
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kinetic energy budget
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kinetic energy effect
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kinetic energy equation
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kinetic equation
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kinetic factor
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kinetic study
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kinetic theory
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kinetic-mechanistic model
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kinetics
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King Square Formation
Saint John Group, Cambrian, sedimentary structure, lithofacies, sandstone, palaeocurrent, shelf deposit, Canada, New Brunswick; 09705.
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Kirkgoz spring group
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Kirks Breccia
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Kiwada Formation
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Kjeldahl nitrogen level
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Klamath terrane
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knick point
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knowledge acquisition
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knowledge base
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knowledge based
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knowledge based image analysis
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knowledge based system
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knowledge based technique
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knowledge engineering
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knowledge representation
image base, user interface, 02094. phenomenology, cognition, 04247.
knowledge-base system
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knowledge-based segmentation
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Knysna Formation
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Kobiwako Group
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Kohistan Island Arc
uplift, orogenic belt, molasse, foredeep sediment, Siwalik, Rawalpindi Group, Murree Formation, garnet grains, feldspar content, blue-green hornblende, Pakistan, Himalayas; Kohat-Potwar Region; 08728.
Kohlenkalk
Tournaisian, ooids, oolite, calcite, aragonite, Germany(West), Velbert; 09717.
Kohler theory
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Koidu landscape
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Kolhan Group
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Kolmogorov turbulence
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Kolmogorov-Smirnov test
Weibull, wind field frequency distribution, climate model, 05992.
Komatsu Kofun
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Kootenai Formation
foreland basin, ribbon, sheet, sandstone, Cretaceous, Sunburst sandstone member, Mannville Group, USA, Montana; Canada, Alberta; 05443.
Koppen classification
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Koppen's climatic classification
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Kostiakov model
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Kostiakov's model
Phillip's model, continuous corn, production, tillage practice, groundwater flow, cumulative infiltration, infiltration rate, sorptivity, transmissivity, 12091.
Kotambetsu Formation
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Koura Formation
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Kovada
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Kozeny-Carman equation
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Kreibich,F.J.H.(1759-1833)
Czech cartographer, copperplate, Czechoslovakia, Bohemia; 09504.
kriging
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Kriging spatial interpolation technique
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kriging technique
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Krugersdorp soil
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krypton 85
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Kuhmo greenstone belt
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Kukohjima Formation
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Kunyang Group
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Kupferschiefer
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Kuroshio Current
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Kurotaki Formation
Amatsu Formation, Kiwada Formation, polarity interval, Olduvai polarity subzone, fission track age, tuff layer, Pliocene-Pleistocene boundary, zircon crystal, Japan, Boso Peninsula; 07730.
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Kutjitara Formation
Katipiri Formation, salina, Marsupialia, Aves, Reptilia, Pisces, geomorphology, Pleistocene deposit, fossil vertebrate, Australia, South Australia, Lake Eyre Basin; 11908.
Kuwait Group
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K_o value
Chicago clay, horizontal stress, self boring pressuremeter, USA, Illinois, Chicago; 10840.
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La Bruere formation
Timiskaming Group, Abitibi greenstone belt, conglomerate, sandstone, Archaean, channel-fill deposit, Canada, Quebec, Rouyn-Noranda; 03339.
La Cadiere d'Azur Formation
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06896. water quality, eutrophic lake, transmission electron microscopy, scanning transmission electron microscopy, energy dispersive spectroscopy, colloid fraction, particle size distribution, aggregation phenomenon, phosphate partitioning, iron oxyhydroxy-phosphate, 05812. water quality, hydrochemistry, salt lake, chloride lake, sulphate lake, carbonate lake, saline lake, 05800. water quality, limnological phenomena, suspended matter, algal bloom, phosphorus, chlorophyll, nitrogen, eutrophication, current, nutrient, Canada, Lake Ontario, Hamilton Harbour; 06893. water quality, mercury, surficial water, sampling method, laboratory method, water quality analysis, atmospheric deposition, aquatic biogeochemistry, USA, Wisconsin, Little Rock Lake; 05803. water quality, nitrogen, phosphorus, land use, nutrient, catchment loss, fertiliser, UK, England, Devon, Slapton Ley; 09128. water quality, oligotrophic lake, multivariate grouping, chemical variable, alkalinity, acidic lake, Canada, Nova Scotia, Kejimkujik National Park; 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05809. water quality, total organic carbon, organic acidity, acidification, lake survey, anthropogenic acidity, Finland; 06897. water quality, trace metal sampling, graphite furnace atomic absorption, isotope dilution mass spectrometry, copper, zinc, cadmium, lead, residence time, North America, Great Lakes, Lake Erie; Lake Ontario; 05808. water quality, water level fluctuation, hydrochemical regime, mineralisation, water level, 06887. water recharge, water quality, waste water, water balance, USSR, Karakum canal; Aral sea; 05796.

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ake bed
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ake biology
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ake Bonneville
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ake bottom
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ake catchment
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ake environment
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ake evolution
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lake hydrodynamics
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lake productivity
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lake recharge
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landscape type
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mathematical ecological model
Thornes,J.B., erosion-vegetation interaction, geomorphology, ecology, 05513.
mathematical geomorphology
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mathematical modelling
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mathematical morphology
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mathematical representation
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mathematical semantics
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mathematical simulation
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mathematical solution
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mathematical structural model
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mathematical structure
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mathematically continous surface
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mathematico-cartographical model
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Matheson till
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matric potential
leaf area index, soil evaporation, transpiration, pan evaporation, evaporative demand, root water uptake, hydraulic conductivity, diffusivity, initial water content, 06872. soil, sampling radius, porous cup sampler, experimental result, 09979.

matric potential characteristic
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matric potential gradient
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matric suction
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matrix diffusion
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matrix potential
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Matsuozawa volcano
Horaguchi lava, Oshi pyroclastic flow, ignimbrite plateau, Kagusa lava, Sessyo lava, summit crater, magma chamber, eruptive history, volcano, tephra, loess soil, Japan, Kusatsu Shirane Volcano; 02394.

matter transformation process
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Matuyama epoch
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Matuyama Magnetochron
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Matuyama polarity
magnetostratigraphy, moraine sequence, terminal moraine, proglacial sediment, Brunhes polarity, Argentina, Patagonia, Andes, Lago Buenos Aires; 08806.

maxima
minima, precipitation, sea air, convective rainfall, monsoon, geography, monthly climatic type, Saudi Arabia; Mediterranean; Persian Gulf; Red Sea; 00693.

maximum cross correlation
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maximum entropy method
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maximum entropy spectral analysis
quasi-periodicity, drought, North America, Great Plains; 01895.

maximum entropy spectrum analysis
precipitation record, corn belt, luni-solar drought, drought, USA, Illinois; Indiana; USA, Iowa; USA, Missouri; 11339. rainfall, bistable 180 degrees phase switch, climate, USA; 05003.

maximum erosion
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maximum flood discharge
avalanche-dams, flooding, stream impoundment, USA, Montana, Glacier National Park; 01747.

maximum glaciation
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maximum likelihood algorithm
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maximum likelihood classification
Landsat MSS, Australian plague locust, nymphal band, normalised difference vegetation index, Australia, New South Wales; 07410. semi-natural vegetation, cover category, Landsat TM, unsupervised approach, UK, Scotland, Islay; 11600.

maximum likelihood estimation
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maximum likelihood estimator
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maximum likelihood method
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maximum permitted concentration
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maximum reliable yield
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maximum shear modulus
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Maxwell current
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May
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Mazama ash
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Mazama tephra
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Mazovian interglacial
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McCourt Sandstone Tongue
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McDonald and Harbaugh ground-water flow model
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McGee,W.J.
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McLeod coal seam
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meadow experiment
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Meadow soil
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mean sea level
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meander system
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mechanism of formation
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medical geography
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medical imagery
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Mediterranean forest
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Mediterranean soil
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Melanopsis praemorsum
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multilayered aquifer system
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multilevel global spectral model
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National Bureau of Surveying and Mapping
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National Center for Atmospheric Research
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regional (physical) geography
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Regional Amazon Model
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regional economic factor
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regional precipitation analysis
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regional research laboratories
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rock coast
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Rock Springs Formation
McCourt Sandstone Tongue, placer deposit, regression, Cretaceous sea, heavy mineral, USA, Wyoming; 08617. shoreline, lagoon, sediment source, deltaic system, Cretaceous(Upper), Mesaverde Group, USA, Wyoming; 02319.
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Rocky Brook Formation
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Rocky Cape Group
Proterozoic, concretion, Irby Siltstone, dolomite, shrinkage crack, nodule, Australia, Tasmania, Sisters Beach; 10622.
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Roda Sandstone
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Roda Sandstone Member
Eocene, cementation, siliciclastic sediment, nodule, sandstone, Spain, Pyrenees; 10735.
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runoff quantity
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runoff regime
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rain, snowmelt, stream acidity, moorland catchment, acid pulse, unforested catchment, hydrochemical response, pH, electrical conductivity, UK, Scotland, Allt a Mharcaidh; 01665. uncertainty, effective rainfall, surface runoff model, measured data, model estimate, 07953.

runoff routing model
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runoff simulation
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runoff simulation model
vegetation cover, upland, runoff behaviour, Germany(West), Lahn; 01645.

runoff source
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runoff storage
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runoff treatment process
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rural address-matching
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rural area
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rural concentration
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rural issue
spatial data handling, GIS, Rural Areas Database, UK; 04315.
rural site
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Rus Formation
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Russian map
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Ryuto surface
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Saalach glacier
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Saalian
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Saalian age
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Saalian glaciation
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Saalian II stage
solifluction, permafrost, ice-wedge polygon, pleniglacial, cover sand, outwash, till, sandur plain, parabolic dune, periglacial modelling, moraine, Germany(West), Schleswig-Holstein, Husum; 05683.
sabkha
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Sabo Law
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safety
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safety concept
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safety factor
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Sagavanirktok-age till
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sagebrush

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Saglek Moraine
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Sahara
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Saharan dust
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Brunhes chron, pollen influx, interglacial, glacial condition, marine palynology, palaeoclimatology, Pleistocene, savannah, Africa, Sahel; 05616.
Sahel habitat
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Saint John Group
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Sajo terrace
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Saksunarvatn Ash
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Saldropo peat
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Salekhard surface
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Salem Limestone
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Salina Formation
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saline clay
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saline environment
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saline fluid
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saline ground water
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saline groundwater
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saline sand column
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saline soil
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Holocene, diatom assemblage, palaeo-salinity, Jomon transgression, allochthonous group, fossil assemblage, Japan, Tokyo Bay; 02475. hydrochemical evolution, regional groundwater, playa brine, Australia; 00657. irrigated agriculture, surface water quality, dissolved ion, drainage water quality, 09127. lagoon, physicochemical data, nitrate, phosphate, Algeria, Lake Mellah; 10643. lake environment, Miocene, Tertiary, Neogene, tuffaceous, zeolite, silicate, dessication, Greece, Samos, Karlovassi Basin; 04446. lake water stratification, chemocline, hypersaline lake, Canada, Garrow Lake; Sophia Lake; 00563. landscape position, soil, erosional footslope, relief, rejuvenation, dissection, USA, North Dakota, Davis Creek; Norwegian Creek; 06827. leaching fraction, soil type, oxygen diffusion, rate measurement, electrode poisoning, 07886. leaching, de-icing, road salt, salt lens, groundwater contamination, Canada, Quebec, Trois-Rivieres-Ouest; 09104. leaching, irrigation, water quality, soil water, salt regime, land reclamation, 05895. limnology, lake water evolution, hypersaline lake, lake water chemistry, thermal stratification, meromictic lake, Canada, Little Cornwallis Island, Garrow Lake; 11095. marsh, isostatic rebound, tide, relict salt, Canada, Ontario, James Bay; 00053. microwave, remote sensing, 10566. 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soft glacier bed
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Standard Penetration Test
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Standard Reference Water Sample
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Stanton number
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Starfix
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statistical databank
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statistical database
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statistical descriptor
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statistical diagram
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statistical predictability
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statistical prediction
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statistical procedure
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statistical query
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Ste-Rosalie clay
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steady-state finite element model
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stereo image
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tochastic differential equation
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tochastic dynamic programing model
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tochastic dynamic programming model
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tochastic hydrology
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tochastic inverse model
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tochastic matrix
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Stokes matrix
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stone decay
atmospheric pollution, weathering rate, urban-rural trend, UK, England; 01513.
stone garland
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stone layer
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stone line
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stone pavement
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stone polygon
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stone weathering process
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stoneline/saprolite type profile
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storage distribution function
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02683. nitrogen load, sampling strategy, phosphorous load, forest catchment, atmospheric deposition, agricultural catchment, Finland; 11166. nitrogen loss, leaching, wastewater, forest area, nitrogen cycle, agricultural pollution, non-point source pollution, land-use effect, Sweden, Kattegat Sea; 04865. non-point source pollution, instrumentation, water quality sampling, STORM model, urban hydrology, Brazil, Sao Paulo; 05909. on stream monitoring system, toxicity, Microtox Test, water quality monitoring, 09062. organic chemical, waterfall, volatilisation, air-water partition coefficient, Canada, Niagara Falls; 09064. organic matter, PCBs, polyaromatic hydrocarbon, organochlorine pollutant, pesticide, Europe, Danube River; 12069. organic sulphur, mine drainage, acidification, 10063. oxidation pond, domestic effluent, biochemical oxygen demand, suspended solid, nutrient level, phosphorus, nitrogen, ammonia, chlorophyll a, faecal coliform, sewage, 09073. particulate load, solute transport, nutrient cycle, sediment transport, stream discharge, nutrient load, 11106. particulate matter, trace metal, lipid, carbon, copper, cadmium, zinc, USA, Great Lakes, Niagara Falls; 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ynthetic hydrograph
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ystem classification
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ystem evaluation
GIS, benchmarking, 12444.
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ystem integration
GIS, environmental response, 12446. GIS, remote sensing, 01000. inertial positioning system, GPS, 08316. standards, GIS, 11509.
ystem management
water resources, water management, irrigation, design, evaluation, policy, resource development, 07924.
ystem selection
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ystems analysis
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Tabor soil mapping unit
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tacheometer
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Tachikawa loam formation
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Tachikawa terrace
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tactile map
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Tafaritian classification
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Taiwan Area Mesoscale Experiment
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Taiyuan Formation
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Takitimu Group
volcaniclastics, eruption, sedimentation, island arc, turbidite, pyroclastics, arc-related basin, volcanism, Permian, New Zealand; 03366.
Tal Formation
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talc
Proterozoic, Precambrian, West-Congolian System, ovoid, stevensite, sepiolite, diagenesis, Schisto-Calcaire Group, Congo; 01300.
Talchir Formation
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Talchir Group
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talus cone
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talus slope
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tangent point
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tangential fracture fluid velocity
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tangential plasticity
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Tansill Formation
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taphonomic approach
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Tara silt loam
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Tardiglacial deposit
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target detection
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Tasman
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Tauber trap
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Taupo pumice
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Tauranga Group sediment
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taxonomic order
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taxonomic unit
Eyre soil series, Templeton soil series, Wakanul soil series, classification of soils, soil physical property, morphological definition, 02545.
Taylor formula
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Taylor hypothesis
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Te Papa Terrace
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tea plant
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Technicon AutoAnalyzer II
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technogenic ecosystem
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technogenic landscape
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rrace surface
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05830. chemical pollutant, potable water, bacteriological pollutant, Atlantic, Cape Verde Islands; 00571. chemical speciation, hydrogen ion, hydroxyl ion, sodium, potassium, calcium, magnesium, ammonia, carbonate, sulphate, chloride, nitrate, phosphate, borate, silicate, electrolytic conductivity, pH, 05821. chlorophyll, Landsat, reservoir, South Africa, Roodeplaat Dam; 07412. clear water lake, humic lake, acidification, water chemistry, phytoplankton, nutrient concentration, cation concentration, stratification, turnover, Secchi disc, chlorophyll-a, lake, Finland; 06906. complexation, buffer capacity, heavy metals, aquatic ecosystem, absorption, surface water, USSR, Usman River; 05843. confining unit, pore water, geochemical variation, aquifer, USA, New Jersey, Freehold; 05479. conservation, groundwater resource, groundwater management, groundwater exploitation, Europe; 05906. contaminant transport, water quality monitoring, adsorbable organic halogen, halogenated organic compound, river basin management, atmospheric deposition, surface water, Sweden, Bothnian Bay; 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03715. multi-table analysis, physico-chemical variable, pollution, spatial-temporal structures, three-mode principal components analysis, three-mode factor analysis, triadic analysis, 05818. multivariate analysis, hydrochemistry, flow data, surface water contamination, agricultural pollutant, Iraq, Tigris River; 04800. multivariate analysis, temporal variation, hydrochemistry, surface water contamination, flow data, Iraq, Tigris River; 04799. nitrate, agricultural practice, fertilizer, ploughing, stream, Eire; 05875. nitrate, denitrification, nitrate-nitrogen reduction, ferrous iron, ammonium, 10006. nitrogen, phosphorus, land use, nutrient, catchment loss, fertiliser, lake, UK, England, Devon, Slapton Ley; 09128. nutrient loss, sediment, runoff, cropping, tillage, soil erosion, sediment quality, Canada, Alberta, Lethbridge; 03552. nutrient transformation, matter transformation process, drainage discharge, fertiliser, nitrate, Germany(East), Saxony; 08038. oligotrophic lake, multivariate grouping, chemical variable, alkalinity, acidic lake, lake, Canada, Nova Scotia, Kejimkujik National Park; 06894. organic acidification, sulphate, acidification, dissolved organic carbon, mineral acidification, stream water, Canada, Nova Scotia; 06924. organic acidity, inorganic acidity, watershed acidification, surface water, Canada, Nova Scotia, Mersey River; Moose Pit Brook; 06929. organic carbon, arctic stream, beaded stream, physical characteristic, chemical characteristic, snowmelt, acidification, trophic dynamics, surface water, USA, Alaska, Brooks Range, Imnavait Creek; 04862. organic compound, hydrocarbon, contaminant transport, fate, estuary, UK, England, Southampton Water; 04790. organic matter, artificial lake, lake water level, dissolved oxygen, Finland, Lapland, Lokka Lake; Porttipahta Lake; Finland, Lapland, Kemijoki River Basin; 05801. organic matter, dissolved organic carbon, acidification, surface water, Canada, Nova Scotia, Kejimkujik National Park; 06926. organic pollutant, nitrobenzene, phenol, liquid-phase transport, gas-phase transport, 06851. organic pollutant, potable water, trihalomethane, Italy, Liguria; 10070. peat moisture status, peat, soil, drainage, nutrient release, UK, England, Somerset Levels; 09078. plankton species, water chemistry, acidity, lake, Canada, Nova Scotia; 06904. plankton, cooling pond, nuclear power plant, water chemistry, USSR, Ukraine; 11104. pollutant concentration, advection, volatility, degradation, sedimentation, resuspension, protonic equilibria, EXWAT model, surface water, contaminant transport, fate, Germany(West), Koblenz, Rhine River; 09061. pollutant source, surface water pollution, water resource, pollution control, Yugoslavia, Danube River; 12155. pollution control, site selection, planning, USA, Texas, Dallas; Forth Worth; 12599. pollution control, water quality model, river network, seasonal variation, spatial variation, temporal variation, predictive model, urban hydrology, surface water, China, Suzhou City; 03716. pollution index, microbiological activity, 04783. potable water, agricultural water supply, fate, carbofuran, recreational water, industrial water supply, Canada; 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03719. reservoir, dam, lake, climatic change, environmental impact, economic impact, power generation, recreation, water supply, USA, Tennessee, Tennessee Valley; 09140. river monitoring, storm runoff, sediment survey, heavy metal, suspended particulate, urban basin, lake, North America, Great Lakes, Lake Ontario; Toronto Harbour; 05811. river recovery, surface water chemistry, nutrient regime, water temperature, impoundment, Serial Discontinuity Concept, reservoir impact, South Africa, Buffalo River; Palmiet River; 12050. runoff, stream water chemistry, rainfall-runoff relationship, streamflow, Germany(West), Ziegenhain; 09058. runoff-rainfall relationship, chloride flux, surface water, phosphate transport, drainage network, fertiliser, shallow ephemeral water table, Australia, Western Australia, Karinga Downs; 03713. salinity, permeability, sodicity, groundwater quality, electrical conductivity, sodium adsorption ratio, irrigation, USA, California, San Joaquin Valley; 11160. salmon, acidity, dissolved organic carbon, aluminum, dissolved organic matter, toxicity, surface water, 06932. seasonally anoxic lake, surface sediment, biogeochemistry, barium, strontium, softwater lake, lake, UK, England, Esthwaite Water; 05807. sediment trap, trace metal, acidification, biogeochemistry, oligotrophic state, water column monitoring, limnocorral experiment, lake, USA, Wisconsin, Little Rock Lake; 05806. sediment, fish, total mercury concentration, surface water, effluent, India, Madras, Chetput swamp; 03718. settling characteristic, accumulation rate, organic carbon, trace metal, suspended particulate, flux, fate, lake, Canada, Nova Scotia, Kejimkujik National Park; 05810. sewer system overflow, urban runoff, quality-discharge model, Canada, Quebec; 00582. sodium adsorption ratio, salinity, electrical conductivity, groundwater quality, irrigation water, Yemen(South), Markhah wadi; Khawrah wadi; 04838. soil water chemistry, atmospheric deposition, aluminium dissolution, acidification, MAGIC model, Reversible Acidiciation in Norway project, sulphate adsorption, cation exchange, carbon dioxide dissolution, surface water, Norway; 06911. soil water, salt regime, land reclamation, salinity, leaching, irrigation, 05895. soil water, water chemistry, biogeochemistry, cadmium-113m, sediment, lake, North America, Great Lakes, Lake Michigan; 05809. spectrophotometry, copper, membrane filter, bathocuproine, water analysis, 01634. stream ecosystem, channel morphology, contaminant transport, contaminant retention, organic matter, blackwater stream, flow augmentation, thermal discharge, surface water, 05835. stream management, catchment management, environmental control, surface water, Denmark; 06986. stream water, contamination, fertilizer, chemical oxygen demand, biochemical oxygen demand, river basin management, dissolved oxygen, ammonium ion, nitrate ion, orthophosphate ion, total dissolved solids, Hungary; 05840. surface water contamination, groundwater contamination, buffering capacity, phenolic wastewater, landfill mode, refuse co-disposal, anaerobic degradation, leachate recycle, methanogenesis, 04741. surface water contamination, hydrochemistry, irrigration water, water sampling, drinking water standard, Iraq, Tigris River; Baghdad; 04797. surface water contamination, hydrochemistry, irritation water, potable water quality, water sampling, Iraq, Tigris River; 04798. surface water contamination, waste water, dissolved oxygen, BOD, COD, pulp mill effluent, Yugoslavia, Sava River; 12077. surface water pollution, potable water, river ecology, fish farm, 09071. surface water, ground water, bulk precipitation, inorganic chemical, atmospheric deposition, forest catchment, Germany(West); 03802. surface water-groundwater interaction, leaching, salt water intrusion, conjunctive use, agricultural management, salinity, groundwater quality, recharge, groundwater management, irrigation water, 04869. surface water-groundwater interaction, solute transport, stream aquifer system, groundwater, surface water, salinity prediction, Australia, Murray River; 05833. surfactant, detergent, waste water, groundwater contamination, India, Tirupati; 04833. tidal circulation, sedimentation rate, particle size distribution, bottom sediment, suspended solid, Hong Kong, Deep Bay; 10645. total organic carbon, organic acidity, acidification, lake survey, anthropogenic acidity, lake, Finland; 06897. toxic contaminant, lake, water movement, current meter, circulation, nearshore current reversal, wind forcing, wave, diffusion, wind-induced upwelling, Kelvin wave, thermal regime, current distribution, North America, Great Lakes, Lake Ontario; 04767. toxicological risk, pesticide, risk assessment, herbicide, potable water, toxicity testing, 12148. trace metal sampling, graphite furnace atomic absorption, isotope dilution mass spectrometry, copper, zinc, cadmium, lead, residence time, lake, North America, Great Lakes, Lake Erie; Lake Ontario; 05808. trace metal, particulate matter, mixing, suspended sediment, surface water, Netherlands, Rhine-Meuse estuary; 05837. traditional land use, environmental impact, highway construction, long term impact, air pollution, vegetation, land degradation, Sweden, Lapland, Kiruna; Riksgransen; 09823. transmissivity, groundwater exploitation, groundwater flow, hydrogeology, aquifer characteristic, USA, South Carolina, Floridan aquifer system; Florida, Floridan aquifer system; 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White Jura bed
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White Rim Sandstone
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White River tillite
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white spruce
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Quaternary, geology, York Till, Don Formation, till, glacial lake, deglaciation, isostatic uplift, tilting, glacial lake shoreline, marine clay landslide, Canada, St Lawrence Lowlands; 09853.
Wisconsinan(Late)
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Witow series
Holocene, lithostratigraphical level, Quaternary deposit, meandering, braiding, Poland, Vistula Valley, Oswiecim, Sandomierz; 04632.
Witzand Formation
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WMO
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Wolstonian
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Wonken surface
Mesozoic initial age, pediment, table-mountain topography, cave system, karst, geomorphology, planation surface, Auyan-tepui surface, Venezuela, Guayana Shield, Gran Sabana; 11859.
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wood ash amendment
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Wood Canyon Formation
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wood coal
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wood fired boiler
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wood shaving amendment
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wood smoke
particle, carbon, fireplace, stove, size distribution, residential heating, 02925. woodheater, pollution, nuisance smoke, air quality, Australia; 03954.
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woodblock illustration
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Woodfordian drift
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Woodfordian loess
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woodland
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woodland soil
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woody debris
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woody plant
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woody vegetation
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Wopmay orogen
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WQStat II
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Wucheng loess
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Wulfrath limestone
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Wurm
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Wusheng loess
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X-radiation topography
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X-ray analyser
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Xeralf
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Xianshuihe fault

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Xinjiang wild walnut
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Xixabangma stage
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XMOL software
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XRD analysis
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Yakataga Formation
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Yan'an Formation
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Yellow Sands
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Yoldia Sea
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York River Formation
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Young Baltic ice
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Gerlands Beitrage zur Geophysik
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Global Biogeochemical Cycles
Grana
Green Magazine
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Ground Water Monitoring Review
Hamburger Geographische Studien
Hercynia
Hercynica

Holarctic Ecology
Hommes et Terres du Nord
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Informasjon - Biotopjusteringsprogrammet, NVE-Vassdragsdirektoratet
Information Bulletin - Western Association of Map Libraries
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Japanese Journal of Limnology
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Loess Letter Supplement
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Lurralde
Madagascar, Revue de Geographie
Malaysian Journal of Tropical Geography
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Mensuration, Photogrammetrie, Genie Rural
Meridian
Meteorological Magazine
Meteorologiya i Gidrologiya
Meteorology & Atmospheric Physics
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Micropaleontology
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Miscellaneous Series, University of Hull, School of Geography & Earth Resources
Mitteilungen - Deutsche Meteorologische Gesellschaft E.V.
Mitteilungen - Leichtweiss-Institut fur Wasserbau, Braunschweig
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Mitteilungen - Verbandes der Deutschen Hohlen- Und Karstforscher
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Mountain Research & Development
Musk Ox
NERC News
NSS Bulletin
Nachrichten aus dem Karten- und Vermessungswesen, Reihe I: Originalbeitrage
National Geographic Research
Natural Hazards
Nature
Nederlandse Geografische Studies
Netherlands Journal of Agricultural Science
Netherlands Journal of Sea Research
New Phytologist
New Zealand Agricultural Science

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New Zealand Geographer
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Norsk Geologisk Tidsskrift
Northeast Gulf Science
Northeastern Environmental Science
Northeastern Geology
Northern Journal of Applied Forestry
Northwest Science
Nouvelles de SPOT Newsletter
Occasional Papers - University of Glasgow, Department of Geography
Ocean & Shoreline Management
Ocean Research
Oceanologica Acta
Oceanology
Oceanus
Oecologia
Official Publication - OEEPE (European Organization for Experimental Photogrammetric Research)
Oil & Chemical Pollution
Ontario Geography
Operational Geographer
Ore Geology Reviews
Pacific Science
Pakistan Journal of Scientific & Industrial Research
Palaeogeography, Palaeoclimatology, Palaeoecology
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Palaios
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Papers & Proceedings of Applied Geography Conferences - State University of New York at Binghamton
Pattern Recognition
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Proceedings & Information - Committee for Hydrological Research TNO
Proceedings - Geologists' Association
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Publications - Institute of Geophysics, Polish Academy of Sciences, Series D
Publikasjon - Norges Geotekniske Institutt
Pure & Applied Geophysics
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Quarterly Journal of Engineering Geology
Quaternary International
Quaternary Newsletter
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Queensland Journal of Agricultural & Animal Science
Radiocarbon
Radiological Protection Bulletin
Rapport de Recherche - Laboratoire Central des Ponts et Chaussees, Pari
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Regulated Rivers - Research & Management
Remote Sensing of Environment
Rendiconti - Societa Italiana di Mineralogia e Petrologia
Report - Bureau of Mineral Resources, Geology & Geophysics, Australia
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Report Series - Environment Canada, Inland Waters Directorate
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Science Progress
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Science Reports - Tohoku University, Seventh Series: Geography
Science Reports - University of Tsukuba, Institute of Geoscience, Section A
Science in China, Series B
Science in New Guinea
Science of the Total Environment
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Sciences Geologiques - Memoire
Sciences et Techniques de l'Eau
Scientia Geologica Sinica
Scientific Series - Environment Canada, Inland Waters Directorate
Scottish Geographical Magazine
Scottish Journal of Geology
Sedimenta
Sedimentary Geology
Sedimentology
Seismology & Geology
Seminar Papers - University of Newcastle upon Tyne, Department of Geography
Siemens Zeitschrift
Silva Fennica
Singapore Journal of Tropical Geography
Soil & Tillage Research
Soil Biology & Biochemistry
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Soil Science Society of America Journal
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Surveying & Mapping
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Svensk Geografisk Arsbok
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Technical Bulletin - Environment Canada, Inland Waters Directorate
Technical Memorandum - CSIRO, Australia, Division of Water Resources
Technical Report - US Army Coastal Engineering Research Center
Technische Rapporten - Koninklijk Nederlands Meteorologisch Instituut
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Wetlands Ecology & Management
Wildlife Society Bulletin
Wisconsin Land Information Newsletter
Wissenschaftlich-Technischer Informationsdienst - Zentrales Geologisches Institut (Berlin), Reihe A
Wissenschaftliche Zeitschrift - Ernst-Moritz-Arndt-Universitat Greifswald, Mathematisch-Naturwissenschaftliche Reihe
Wissenschaftliche Zeitschrift - Technischen Universitat Dresden
Working Paper - University of Leeds, School of Geography
Working Paper Series - University of Birmingham, School of Geography
World Data Center A for Glaciology (Snow & Ice)
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Yearbook/Proceedings - Conference of Latin Americanist Geographers
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Zeitschrift fur Pflanzenkrankheiten und Pflanzenschutz
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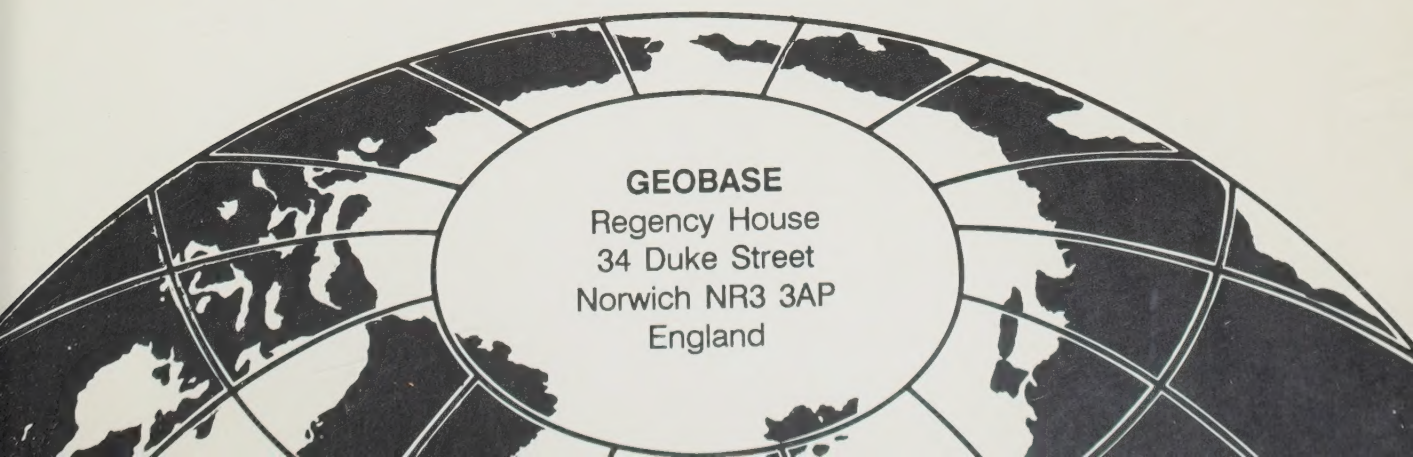
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